Kestrel™ MTI for Small UAS

SMALL MOVING OBJECT DETECTION

Military forces frequently deploy AeroVironment's (AV) small UAS in dynamic and complex operating environments. Kestrel Moving Target Indicator (MTI) software solution adds capability to AV's family of small UAS by automatically detecting moving objects in electro-optical (EO) and infrared (IR) full motion video (FMV).

Integrated with AV's existing common Ground Control System (GCS), which serves the Puma™, Raven® and Wasp®, this capability improves situational awareness, provides operators an immediate cue to potential threats, and enhances airborne intelligence, surveillance and reconnaissance (ISR), which helps save lives.

KESTREL MTI CAPABILITIES

- Automatically detects moving dismounts
- Real time EO/IR Moving Target Indication (MTI)
- Fully integrated with AV family of small UAS
- Real-time and forensic operation
- Geo-location data
- Proven in-theatre performance
- Increased coverage area
- Optimized for maritime environments

Zoom Window

Tracking Predictions

Small Target Detection (Maritime)

Target Tracking (IR Camera)

AeroVironment™

PROCEED WITH CERTAINTY